650-846-6009 INFORMATION DISCLOSURE CITATION Serial No.: 10/565,954 Attorney Docket No.: GC812-US Applicant: Clarkson et al. Group: 1652 Filing Date: July 31, 2006 Date of this Submission: August 28, 2007 Page __1 US PATENT DOCUMENTS Sub-Filing Examiner's **Document** Class Class Date Date Name Initial Number FOREIGN PATENT DOCUMENTS Translation Sub-Examiners **Document** Initials Date Country Class Class Yes/No Number 71C/ 1 131 447 B1 11/18/99 OTHER DOCUMENTS Examiners Initials Author, Title, Date, Pertinent Pages, etc. /lgbal Chowdhury/ (08/31/2007) **Examiner Date Considered** Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation If not in conformance and not

considered. Include copy of this form with next communication to applicant. PTO-1449

		INFOR	MATION DISCI	LOSURE CITATION				
Attorney Docket No.: GC812-US				Serial No.: 10/565,954				
Applicant: C	larkson et al.							
Filing Date: July 31, 2006			Group: 1652					
Page <u>1</u>	of <u>3</u>	• •		Date of this Submis	sion: August 3	1, 2007		
			US PATENT D	OCUMENTS				
Examiner's	Document					Sub-	Filing	
Initial	Number	Date	Name		Class	Class	Date	
/IC/	4,683,202	07/28/97	Mullis	· ·				
/IC/	5,736,384	04/07/98	Fukunaga et	t al.				
/IC/	5,759,840	06/02/98	Sung et al					
·		FOI	REIGN PATEN	T DOCUMENTS				
Examiner's	Document					Sub-	Translation	
Initials	Number	Date	Country		Class	Class	Yes/No	
	WO 01/27252	10/12/00	PCT					
			OTHER DO	CUMENTS		.,		
Examiner's					, , , , , , , , , , , , , , , , , , ,			
Initials	Author, Title, Date	, Pertinent Pages,	etc.					
/IC/	Altschul et al., "Basi	ic local alignment s	earch tool," J Ma	ol Biol., 1990 Oct 5, 215(3	3):403-410.			
	Arase et al., "Stabilization of xylanase by random mutagenesis," FEBS Lett. V316:2, 123-127 (1993)							
1	Bailey et al., "Interlaboratory testing of methods for assay of xylanase activity," J. Biotechnol, 23 257-270, (1992)							
	Beucage S.L. et al., (1981) Tetrahedron Letters 22, p 1859-1869							
Biely, P et al., "Soluble Chromogenic Substrates for the Assay of Endo-1,4-β-xylanases and Endochemistry, 144, 142-146 (1985)			nases and Endo-	1,4-β-glucanas	ses," Analytical			
				nt of chymosin-producing 1994, V. 16, pp. 376-382	strains of Asperg	illus niger var	. awamori using	
	Bodie et al., 1995 – should be 1994, Economically Important Organic Acid and Enzyme Products, Chapter 22, pp. 561-602, Progress in Industrial Microbiology, 29(Aspergillus: 50 years on)							
- $$	Davies et al., "Structures and mechanisms of glycosyl hydrolases," Structure, 1995, 3(9):853-9.							
/IC/	Devereux et al., "Ac (1984)	comprehensive set o	of sequence analy	sis programs for the VAX	Nuc. Acids Re	search, V12:1	, pp. 387-395	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

Date Considered

considered. Include copy of this form with next communication to applicant. PTO-1449

Examiner /Iqbal Chowdhury/ (09/04/2007)

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC812-US	Serial No.: 10/565,954		
Applicant: Clarkson et al.			
Filing Date: July 31, 2006	Group: 1652		
Page <u>2</u> of <u>3</u>	Date of this Submission: August 31, 2007		

Author, Title, Date, Pertinent Pages, etc.				
Author, Title, Date, Pertinent Pages, etc.				
Harris et al, "Structural basis of the properties of an indu	industrially relevant thermophilic xylanase," Proteins, 29, 77-86 (1997)			
Henrissat, B. and Bairoch, A., "New families in the classi similarities," <i>Biochem. J.</i> , 293 781-8 (1993)	fication of glycosyl hydrolases based on amino acid sequence			
Henrissat, B. and Davies, G., "Structural and sequence-ba	ased classification of glycoside hydrolases," Curr. Opin. Struct. Biol. 7			
Higgins DG & Sharp PM, "Clustal: a package for perform 244) (1988)	ning multiple sequence alignment on a microcomputer," Gene 73(1), 237-			
Livingstone et al., "Protein sequence alignments: a strateg Biosci., V9:6, 745-756 (1993)	gy for the hierarchical analysis of residue conservation," Comput.Appl			
Matthes et al., "Simultaneous apid chemical synthesis of over one hundred oligonucleotides on a microscale," EMBO J., V3:4, p 801-805, (1984)				
Morinaga et al., "Improvement of Oligonucleotide-Direct Biotechnology (1984) 2, p646-649	ted Site-Specific Mutagenesis using double-stranded plasmid DNA,"			
Nelson and Long, "A General Method of Site-Specific M Chain Reaction," Analytical Biochemistry V180, p 147-15	dutagenesis Using a Modificxation of the Thermus acquaticus Polymerase 51), (1989)			
Nielsen et al., "Identification of prokaryotic and eukaryot 1997 10:1 pp 1-6	ic signal peptides and prediction of their cleavage sites," Protein Eng.			
Prade, R.A., "Xylanases: from biology to biotechnology,	"Biotechnol. Genet. Eng. Rev., 13, 101- 131 (1996)			
Saiki R K et al. "Primer-Directed Enzymatic Amplification 487-491, (1988)	on of DNA with a Thermostable DNA Polymerase," Science, V239, pp			
Sandgren et. al., "The x-ray Crystal Structure of the Trichoderma reesei Family 12 Endoglycanase 3, Cel12A, at 1.9 A Resc J. Mol. Bio. (2001) 308, 295-310				
Sarkar and Sommer, "The "Megaprimer" Method of Site-Directred Mutagenesis," (Biotechniques (1990), V8:4, pp				
bal Chowdhury/ (09/04/2007)	Date Considered			
	Henrissat, B. and Bairoch, A., "New families in the classis similarities," <i>Biochem. J.</i> , 293 781-8 (1993) Henrissat, B. and Davies, G., "Structural and sequence-ba 637-44 (1997) Higgins DG & Sharp PM, "Clustal: a package for perform 244) (1988) Livingstone et al., "Protein sequence alignments: a strateg <i>Biosci.</i> , V9:6, 745-756 (1993) Matthes et al., "Simultaneous apid chemical synthesis of 801-805, (1984) Morinaga et al., "Improvement of Oligonucleotide-Direct <i>Biotechnology</i> (1984) 2, p646-649 Nelson and Long, "A General Method of Site-Specific M. Chain Reaction," <i>Analytical Biochemistry</i> V180, p 147-1: Nielsen et al., "Identification of prokaryotic and eukaryot 1997 10:1 pp 1-6 Prade, R.A., "Xylanases: from biology to biotechnology, Saiki R K et al. "Primer-Directed Enzymatic Amplification 487-491, (1988) Sandgren et. al., "The x-ray Crystal Structure of the Trich J. Mol. Bio. (2001) 308, 295-310 Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific M. Sarkar and Sommer, "The "Megaprimer" Method of Site-Specific Metho			

considered. Include copy of this form with next communication to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC812-US	Serial No.: 10/565,954		
Applicant: Clarkson et al.			
Filing Date: July 31, 2006	Group: 1652		
Page <u>3</u> of <u>3</u>	Date of this Submission: August 31, 2007		

Tage Date of this dubinission. August 01, 2007					
OTHER DOCUMENTS					
Examiner's					
Initials	Author, Title, Date, Pertinent Pages, etc.				
/IC/	Stirk et al., "Depicting topology and handedness in jellyroll structures," FEBS Lett. 1992 Aug 10, 308(1):1-3.				
	Tatusova et al., "Blast 2 Sequences, a new tool for comparing protein and nucleotide sequences," FEMS Microbiol Lett, 174(2): 247-50, (1999)				
	Tatusova, T. et al., "Erratum to "Blast 2 Sequences, a new tool for comparing protein and nucleotide sequences," FEMS Microbiol Lett, V177: 187-188, (1999)				
	Taylor W.R., "The Classification of Amino Acid Conservation," (1986) J. Theor. Biol. 119; 205-218				
	Tenkanen et al., "Two major xylanases of Trichoderma reesei," Enzyme Microb. Technol, 14 566-574 (1992)				
	Törrönen, A. and Rouvinen, J., "Structural comparison of two major endo-1,4-xylanases from Trichoderma reesei," Biochemistry 34 847-56, (1995)				
	Törrönen, A. and Rouvinen, J., "Structural and functional properties of low molecular weight endo-1,4-beta-xylanases," J. Biotechnol., 57 137-149 (1997)				
V	Vogt et al., "Protein thermal stability, hydrogen bonds, and ion pairs," J. Mol. Biol., 269 631-43 (1997)				
/IC/	Wakarchuk et al., "Thermostabilization of the Bacillus circulans xylanase by the introduction of disulfide bonds," Protein Eng., 7:11, 1379-86 (1994)				
,					
,					
Examiner /	qbal Chowdhury/ (09/04/2007) Date Considered				
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not					
considered. Include copy of this form with next communication to applicant. PTO-1449					